

frivol

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# Chapter 1

## Class Index

### 1.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

<a href="#">frivol::Array&lt; T &gt;</a>	
Simple fixed-size array of elements of type T . . . . .	<a href="#">3</a>



## Chapter 2

# Class Documentation

### 2.1 `frivol::Array< T >` Class Template Reference

Simple fixed-size array of elements of type T.

```
#include <array.hpp>
```

#### Public Member Functions

- `Array` (Idx size)
- Idx `getSize` () const  
*Returns the size of the array.*
- const T & `operator[]` (Idx index) const
- T & `operator[]` (Idx index)

#### 2.1.1 Detailed Description

```
template<typename T>class frivol::Array< T >
```

Simple fixed-size array of elements of type T.

#### 2.1.2 Constructor & Destructor Documentation

2.1.2.1 `template<typename T > frivol::Array< T >::Array ( Idx size )`

Creates an array with all elements default-constructed.

#### Parameters

<i>size</i>	The size of the array.
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#### 2.1.3 Member Function Documentation

2.1.3.1 `template<typename T > const T & frivol::Array< T >::operator[] ( Idx index ) const`

Returns reference to an element in the array.

**Parameters**

<i>index</i>	The zero-based index of the element.
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**Exceptions**

<i>std::out_of_range</i>	if FRIVOL_ARRAY_BOUNDS_CHECKING is defined and 'index' overflows.
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**2.1.3.2    template<typename T > T & frivol::Array< T >::operator[] ( Idx *index* )**

Returns reference to an element in the array.

**Parameters**

<i>index</i>	The zero-based index of the element.
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**Exceptions**

<i>std::out_of_range</i>	if FRIVOL_ARRAY_BOUNDS_CHECKING is defined and 'index' overflows.
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The documentation for this class was generated from the following files:

- /home/topi/unison/Asiakirjat/frivol/frivol/array.hpp
- /home/topi/unison/Asiakirjat/frivol/frivol/array\_impl.hpp